

A nighttime photograph of a city skyline, likely Tel Aviv, Israel. The sky is dark blue, and the city lights are visible. In the foreground, there is a parking lot with several cars and some people walking. The buildings in the background are illuminated, and the overall scene is a vibrant urban landscape.

November 6-8, 2023 David Intercontinental Hotel Tel Aviv Israel

Metamaterial wave theory

Yakir Hadad

Metamaterials give rise to unorthodox constitutive relations between the fields and the polarizations. This implies unique wave phenomena. This session is devoted to wave phenomena and wave modeling in metamaterials, including, but not limited to effects related to nonlocality, chirality, time-variation, enhanced nonlinearities, etc.